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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Michael L. Beigel

Serial No.: 07/801,749

Filing Date: 12/03/91

For: Multi-Memory Electronic
Identification Tag

Group Art Unit: 2608

Examiner:

Date: 01/17/92

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GROUP 260

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(Date)

Robert E. Malm

(Name)

Robert E. Malm

(Signature)

01/17/92

(Date)

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

The accompanying list of documents is being submitted in compliance with the duty of disclosure set forth in 37 CFR 1.56. The relevance of each of the documents is indicated below.

PATENTS

Patent Number: 4,333,072
Date of Patent: June 1, 1982
Title: IDENTIFICATION DEVICE
Inventor: Michael Beigel

The invention relates to systems where positive identification is achieved by the use of an external probe which is brought into close proximity with an implanted or imbedded identifying device and a non-visual contact is made between the probe and the identifying device.

The specification does not disclose the use of the combination of reprogrammable and non-reprogrammable memory in the implanted device nor does it disclose a device for communicating data and commands to the implanted device for the purpose of reprogramming the reprogrammable portion of memory.

Patent Number: 4,494,545
Date of Patent: January 22, 1985
Title: IMPLANT TELEMETRY SYSTEM
Inventor: Chester d. Slocum, John R. Batty

The invention relates to electromagnetic signalling and telemetry systems for physiological implants and the like. The specification does not disclose the use of the combination of reprogrammable and non-reprogrammable memory in the implanted device nor does it disclose a device for communicating data and commands to the implanted device for the purpose of reprogramming the reprogrammable portion of memory.

Patent Number: 4,561,443
Date of Patent: December 31, 1985
Title: COHERENT INDUCTIVE COMMUNICATIONS LINK FOR BIOMEDICAL APPLICATIONS
Inventor: Arthur F. Hogrefe, Wade E. Radford

The invention relates to a means and method for establishing a coherent inductive communications link with a programmable biologically implanted medication system for transmitting commands to the implanted medication system and for receiving telemetry data from the implanted medication system. The specification describes a means for communicating data to an implanted medical device to change its operating characteristics. The specification does not disclose the use of the combination of reprogrammable and non-reprogrammable memory in the implanted device nor does it disclose a device for communicating data and commands to the implanted device for the purpose of reprogramming the reprogrammable portion of memory.

Patent Number: 4,724,427
Date of Patent: February 9, 1988
Title: TRANSPONDER DEVICE
Inventor: Gary T. Carroll

The invention relates to an electronic identification transponder device that is realized with miniaturized circuits built or fabricated on a single monolithic semiconductor chip. The specification discloses a transponder that uses a programmable read-only memory or an electrically-erasable read-only memory. It does not disclose the combination of reprogrammable and non-reprogrammable memory in a transponder.

Patent Number: 4,730,188
Date of Patent: March 8, 1988
Title: IDENTIFICATION SYSTEM
Inventor: Thomas A. Milheiser

The invention relates to a system consisting of two units, one being a passive integrated transponder which is carried by or embedded in a thing or animal to be identified and which responds to interrogation with an identifying code, and the other unit being an interrogator-reader separate from the transponder. The specification discloses a memory consisting of a fusible link diode matrix manufactured by Harris Semiconductor. It does not disclose the combination of reprogrammable and non-reprogrammable memory in the implanted device nor does it disclose a device for communicating data and commands to the implanted device for the purpose of reprogramming the reprogrammable portion of memory.

Patent Number: 4,941,201
Date of Patent: July 10, 1990
Title: ELECTRONIC DATA STORAGE AND RETRIEVAL APPARATUS
AND METHOD
Inventor: Charles L. Davis

The invention relates to apparatus and methods wherein combination signals having power and data components are received by a data storage device which in turn modulates the combination signal in accordance with available data signals to achieve bi-directional and substantially simultaneous data transfer. The specification does not disclose the use of the combination of reprogrammable and non-reprogrammable memory in the data storage device nor does it disclose a device for communicating data and commands to the data storage device for the purpose of reprogramming memory devices of the reprogrammable type.

PATENT APPLICATIONS

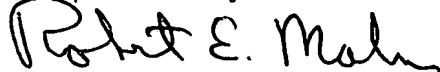
Serial Number: 07/708,028
Filing Date: May 31, 1991
Title: SIGNAL TRANSMISSION AND TAG POWER CONSUMPTION
MEASUREMENT CIRCUIT FOR AN INDUCTIVE READER
Applicant: Michael L. Beigel

The invention relates to a rectified balanced resonant signal transmission and tag power consumption measurement circuit coupled to a field generation coil which permits measuring field power consumption of a passive tag circuit, in inductively coupled identification systems. The specification does not disclose the use of the combination of reprogrammable and non-reprogrammable memory in the tag nor does it disclose a device for communicating data and commands to the tag for the purpose of reprogramming memory devices of the reprogrammable type.

Serial Number: 07/746,129
Filing Date: August 15, 1991
Title: MULTI-MODE IDENTIFICATION SYSTEM
Applicant: Michael L. Beigel et al.

The invention relates to identification systems consisting generically of a reader inductively coupled to a tag where the reader is associated with the identifying agency and the tag is associated with the object to be identified. The specification does not disclose the use of the combination of reprogrammable and non-reprogrammable memory in the tag nor does it disclose a device for communicating data and commands to the tag for the purpose of reprogramming memory devices of the reprogrammable type.

Respectfully submitted,



Robert E. Malm
Reg. No: 34,662

16624 Pequeno Place
Pacific Palisades, CA 90272
Tel: (310) 459-8728

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